

SUPERMICRO®

OfficeBlade™ Solutions

- **Office Environment Computing**
- **Personal Supercomputer**

Blade Systems
Insight '08
AWARD
BEST
GREEN DATA
CENTER SOLUTION

**"Best Green Data Center
Solution Award!"**
- BladeSystems Insight 2008



- **Super Quiet (50dB)**
As low as 50dB sound level with 10 DP blades
- **Energy Savings**
93% high-efficiency power supply, DDR2 memory, and energy-efficient system design
- **High Performance Storage**
Up to 60 SAS/SATA HDD with SAS controller
RAID 0, 1, 5, 6, 10, 50, 60
- **Industry Leading Performance Per Watt**
290 GFLOPS/kW
- **Office Friendly**
100-240VAC, mobile rack with optional air filter

Scorecard

Supermicro OfficeBlade

| | |
|---------------------------|-------|
| Features | ★★★★★ |
| Ease of Deployment | ★★★★★ |
| Management | ★★★★★ |
| Ease of Use | ★★★★★ |
| Price/Performance | ★★★★★ |
| Profit Potential | ★★★★★ |

Blades of Glory
CRNtech May 2008

www.supermicro.com

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OfficeBlade™

OfficeBlade™, a member of the SuperBlade® server family, is optimized for small-medium business as well as personal HPC applications. With acoustically enhanced thermal and cooling technologies, OfficeBlade™ can operate at noise levels as low as 50dB with SBI-7125C-S3(E) or SBI-7125C-T3 model.



| Model | SBI-7125C-T3 | SBI-7125C-S3(E) | SBI-7125W-S6 | SBI-7125B-T1 | SBA-7121M-T1 |
|---------------------------|--|--|---|--|---|
| Processors | Two Quad/Dual-Core Xeon® 5400/ 5300/5200/5100 Series | Two Quad/Dual-Core Xeon® 5400/ 5300/5200/5100 Series | Two Quad/Dual-Core Xeon® 5400/ 5300/5200/5100 Series | Two Quad/Dual-Core Xeon® 5400/ 5300/5200/5100 Series | Two AMD Quad/Dual-Core Opteron™ 2300/2200 Series Processors |
| CPUs per 14U Rack | 40 | 40 | 40 | 40 | 40 |
| Chipset | Intel® 5100 | Intel® 5100 | Intel® 5400 | Intel® 5000P | nVidia MCP55 Pro |
| Standard Memory | ECC Registered DDR2 667/533 SDRAM in 6 DIMM sockets | ECC Registered DDR2 667/533 SDRAM in 6 DIMM sockets | Fully Buffered DDR2 800/667MHz in 8 DIMM sockets | Fully Buffered DDR2 667/533MHz in 8 DIMM sockets | ECC Registered DDR2 667/533/400 SDRAM in 8 DIMM sockets |
| Max Memory | 48GB | 48GB | 64GB | 32GB | 64GB |
| Max Storage | 900GB SATA* | 438GB SAS/900GB SATA* | 876GB SAS/1.8TB SATA* | 2TB SATA | 2TB SATA |
| Hard Disk Drive | Three hot-plug 2.5" SATA* hard disk drives | Three hot-plug 2.5" SAS/SATA* hard disk drives | Six hot-plug 2.5" SAS/SATA* hard disk drives | Two hot-plug 3.5" SATA hard disk drives | Two hot-plug 3.5" SATA hard disk drives |
| Storage RAID | RAID 0, 1 | LSI SAS 1068E; RAID 0, 1, 10; Optional RAID 5 | LSI SAS 1078; RAID 0, 1, 5, 6, 10, 50, 60 | Intel® ESB2; SATA RAID 0, 1 | nVidia® MCP55-Pro SATA RAID 0, 1 |
| InfiniBand Support | N/A | 4X DDR (20Gb/s) InfiniBand mezzanine HCA* (for SBI-7125C-S3E only) | 4X DDR (20Gb/s) InfiniBand mezzanine HCA | 4X DDR (20Gb/s) InfiniBand mezzanine HCA | 4X DDR (20Gb/s) InfiniBand mezzanine HCA |
| Ethernet Interface | Intel® 82575EB dual-port Gigabit Ethernet controller | Intel® 82575EB dual-port Gigabit Ethernet controller | Intel® (ESB2) 82563EB dual-port Gigabit Ethernet controller | Intel® ESB2 dual-port Gigabit Ethernet controller | Intel® 82571EB dual-port Gigabit Ethernet controller |
| Management | IPMI 2.0, KVM over IP, Virtual Media over LAN | IPMI 2.0, KVM over IP, Virtual Media over LAN | IPMI 2.0, KVM over IP, Virtual Media over LAN | IPMI 2.0, KVM over IP, Virtual Media over LAN | IPMI 2.0, KVM over IP, Virtual Media over LAN |
| Graphics | WinBond Hermon 32MB | ATI ES1000 with 32MB of SDRAM | ATI ES1000 with 16MB of SDRAM | ATI ES1000 with 16MB of SDRAM | ATI ES1000 with 16MB of SDRAM |
| LED Indicators | Power LED, UID/KVM LED, Networking LED, Fault LED | Power LED, UID/KVM LED, Networking LED, Fault LED | Power LED, UID/KVM LED, Networking LED, Fault LED | Power LED, UID/KVM LED, Networking LED, Fault LED | Power LED, UID/KVM LED, Networking LED, Fault LED |
| Operating Temp. | 10-35°C non-condensing | 10-35°C non-condensing | 10-35°C non-condensing | 10-35°C non-condensing | 10-35°C non-condensing |
| Dimensions | 11.32"H x 1.67"W x 18.9"D | 11.32"H x 1.67"W x 18.9"D | 11.32"H x 1.67"W x 18.9"D | 11.32"H x 1.67"W x 18.9"D | 11.32"x 1.67"x 18.9" |

*Enterprise class SATA hard drives.



OfficeBlade™ Rack Cabinet

Mobility, Protection and Security - Ideal for Office Application/Environment or Personal Supercomputing

Key Features:

- ✓ **Mobile 14U Rack Space** - Supports up to 2x 7U blade servers or 1x 7U blade and 7U IT space
- ✓ **Ideal for Office Environment** - The same height as regular furniture (30.64" H)
- ✓ **Upgradeable** - Rear frame mounting space
- ✓ **Mobile** - Available with casters for easy mobility

Specifications:

- 14U height; 21.65"W x 34.65"D x 30.64"H
- Support the regular 19" rackmount servers with regular square mounting holes
- Front door lock, rack casters with brakes
- Stability supports
- Optional air filter